



June 28, 2005

Reply to Attn of:

427

SUBJECT: Scope of the Operational Land Imager (OLI) Proposer – Northrop
Grumman Space Technology (NGST) Interactions During the OLI
Proposal Development Period

1.0 Goals

The potential OLI vendor will develop proposed changes to the OLI to National Polar-orbiting Operational Environmental Satellite System (NPOESS) 2130 Spacecraft Interface Requirements Document (IRD) for submission with the OLI proposal. The proposed IRD changes will have concurrence from the Integrated Program Office (IPO)/NGST insuring that the submitted OLI instrument concept can be successfully integrated onto the NPOESS 2130 spacecraft.

1.1 Expected areas of discussion/interaction between the OLI proposer and NGST

- 1.1.1 The OLI proposer will provide a Computer Aided Design (CAD) model of the OLI design concept (Step AP203 files format) via eRooms (see Section 2.6) exchange to support the determination of the integration viability within the OLI IRD bounds.
- 1.1.2 The provided OLI (ie. Reflective Band Sensor and Data Storage And Playback (DSAP) subsystem) design concept CAD model will be incorporated into an NPOESS 2130 CAD model. The following are areas within the scope of allowed discussions:
 - a) Determination that the OLI concept fits within the IRD allotted mass, power, and volume (IRD Section 2) envelopes.
 - b) Determination that the proposed OLI design achieves the required FOV's for nadir and calibration per Section 3 of the IRD
 - c) Discussion and possible first level dynamics analysis of the proposed OLI design concept to understand compliance with Section 8 of the IRD. The development of the required LOS pointing knowledge budget. Both are to be submitted with the proposal.
 - d) Discussion of the OLI and NPOESS Control and Data Handling (C&DH) and output interface requirements and data throughput.
 - e) Discussion and mutual agreement in the proposed changes to the IRD OLI – NPOESS thermal radiator areas, locations, and sizes

- f) Clarification of NPOESS General Instrument Interface Requirements Document (NGIID) requirements
- g) Clarification of other NPOESS documents provided as reference for this RFP
- h) Location and integration of the DSAP and/or other OLI control electronics on the nadir deck per the IRD Section 2.0
- i) Other FOV analysis as required

1.2 Deliverables

The OLI proposer will provide any IRD changes (in addition to any changes already agreed to with the IPO/NGST) in the proposal.

2.0 Ground rules for OLI Proposer/NGST interaction

- 2.1 Interaction is limited to the scope of the effort described in Section 1.0 and within the ground rules of the NGST provided Information Protection and Mitigation Plan.
- 2.2 Non-Disclosure Agreements (NDAs) are to be developed and signed between NGST and OLI instrument vendor prime contractor parties prior to any discussions or exchange of information.
- 2.3 OLI Vendor documents, questions and technical data are to be transferred via NPOESS eRooms secured access. eRooms access forms are to be filled out by the OLI proposer (a single Point of Contact per prime contractor only) and submitted to the NASA contracting officer at GSFC. Proof of U.S. citizenship will be required for any and all persons requesting access. OLI Vendors are to allow 10 business days for processing and receipt of e-room token. Vendors should contact the NASA contracting officer to request eRooms secured access prior to RFP release.
- 2.4 A limit of 120 labor hours of technical interaction per OLI proposer will be allocated. Technical interaction includes telcons, face-to-face meetings, analysis, and written responses to questions. The hours are to be monitored and reported back to the NASA contracting officer on weekly basis for dissemination to the OLI proposers.
- 2.5 The IPO/NGST are only to respond formally to written questions from the OLI proposers. All questions are to be provided to the NASA Contracting Officer in advance for review prior to submission to the NGST point of contact for response.
 - a) Responses to questions are on a first-in, first-out basis with a response timeline nominally of 10 working days from date of submission

- 2.6 Verbal interaction is permitted within the scope of 1.1.2 above. Any verbal interaction with NGST will be arranged through the NASA contracting officer. The NASA contracting officer and technical representatives from both NASA and the IPO will be present during telecon/meetings. Any verbal interaction may not be construed as binding direction or opinion.
- 2.7 At least one observer from both the NPOESS IPO and from NASA will be part of the OLI face-to-face Technical Interchange Meetings (TIMs) between NGST and the OLI vendor (support via telecon is acceptable). The OLI proposer shall provide 5 working days notice to the NASA OLI contracting officer prior to conducting a TIM. TIM requests shall include an agenda detailing discussion topics and anticipated questions. Any questions discussed or answered verbally will need to be submitted for a formal written response after the TIM.
- 2.8 Questions which may possibly be viewed as out of scope by NASA/IPO/NGST will be deferred until determination by the OLI contracting officer.

3.0 Planned OLI Proposer Technical Information Exchange

3.1 Industry Days

Informational meeting for prospective offerors on July 12th and 13th.

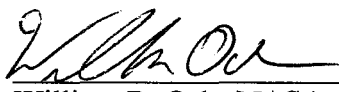
Day 1 –

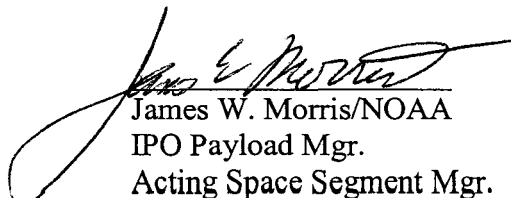
NASA - Overviews of OLI, RFP, IPO/NGST Interaction Ground
Rules, Procurement Timeline, and POC's
IPO/NGST – NPOESS Overview
USGS – OLI Operational Scenarios

Day 2 -

One on one questions and answers with potential OLI prime
contractors

- 3.2 NASA managed secure Electronic Bidders Library for all RFP (including NPOESS) applicable and referenced documents
- 3.3 Standard question and answers via OLI contracting officer during proposal development period.


William R. Ochs/NASA
LDCM Project Mgr.


James W. Morris/NOAA
IPO Payload Mgr.
Acting Space Segment Mgr.